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PATENT  
2815-0127P



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07/25/02

THE U.S. PATENT AND TRADEMARK OFFICE

Applicant:	JENTSCH, Thomas J.	Conf.:	9782
Appl. No.:	09/492,361	Group:	1646
Filed:	January 27, 2000	Examiner:	MURPHY, J.F.
For:	POTASSIUM CHANNELS AND GENES ENCODING THESE POTASSIUM CHANNELS		

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Supplemental Amendment

Assistant Commissioner for Patents  
Washington, DC 20231

July 10, 2002

Sir:

In support of the arguments submitted on June 20, 2002, in response to the Office Action issued February 22, 2002, we are now submitting a Declaration by Dr. Bo Jensen.

REMARKS

Dr. Jensen has conducted an alignment of the coding sequences of SEQ ID No: 1 and KCNQ2, which shows no significant homology determined over the entire sequence. Only four small, partial (internal) sequences contained any amount of significant homology, providing for an overall homology of less than 50% between the nucleotide sequence of the instant invention and that of the KCNQ2 channel. In addition Dr. Jensen indicates that only sequences having a homology of 80-100% will be identified using the